

1642

Errors Corrected by the STIC Systems Branch

OJPE

Serial Number:

09/579420

ENTERED

CRF Processing Date: 08/27/2001

Edited by: mp Verified by: (STIC sta:

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically:
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically:
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were:
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included:
- ☐ Deleted extra, invalid, headings used by an applicant, specifically:
- ☒ Deleted: ☒ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as
- ☐ Inserted mandatory headings, specifically:
- ☐ Corrected an obvious error in the response, specifically:
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically:
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected:
- ☐ Other:

RECEIVED

OCT 05 2001

TECH CENTER 1600/2900

*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95

OIPE

RAW SEQUENCE LISTING

DATE: 09/19/2001

PATENT APPLICATION: US/09/579,420

TIME: 09:08:14

Input Set : A:\PTO.MH.txt

Output Set: N:\CRF3\09192001\I579420.raw

```

3 <110> APPLICANT: Shay SOKER
4   Michael KLAGSBRUN
6 <120> TITLE OF INVENTION: PEPTIDE ANTAGONISTS OF VASCULAR
7   ENDOTHELIAL GROWTH FACTOR
9 <130> FILE REFERENCE: 47875 C
C--> 11 <140> CURRENT APPLICATION NUMBER: US/09/579,420
C--> 11 <141> CURRENT FILING DATE: 2000-05-25
11 <150> PRIOR APPLICATION NUMBER: 09/579,420
12 <151> PRIOR FILING DATE: 2000-05-25
14 <150> PRIOR APPLICATION NUMBER: PCT/US98/26103
15 <151> PRIOR FILING DATE: 1998-12-09
17 <150> PRIOR APPLICATION NUMBER: 60/069,687
18 <151> PRIOR FILING DATE: 1997-12-12
20 <150> PRIOR APPLICATION NUMBER: 60/069,155
21 <151> PRIOR FILING DATE: 1997-12-09
23 <160> NUMBER OF SEQ ID NOS: 18
25 <170> SOFTWARE: FastSEQ for Windows Version 3.0
27 <210> SEQ ID NO: 1
28 <211> LENGTH: 45
29 <212> TYPE: PRT
30 <213> ORGANISM: human
32 <400> SEQUENCE: 1
33   Pro Cys Gly Pro Cys Ser Glu Arg Arg Lys His Leu Phe Val Gln Asp
34     1             5             10             15
35   Pro Gln Thr Cys Lys Cys Ser Cys Lys Asn Thr Asp Ser Arg Cys Lys
36             20             25             30
37   Ala Arg Gln Leu Glu Leu Asn Glu Arg Thr Cys Arg Cys
38     35             40             45
40 <210> SEQ ID NO: 2
41 <211> LENGTH: 24
42 <212> TYPE: PRT
43 <213> ORGANISM: human
45 <400> SEQUENCE: 2
46   Cys Ser Cys Lys Asn Thr Asp Ser Arg Cys Lys Ala Arg Gln Leu Glu
47     1             5             10             15
48   Leu Asn Glu Arg Thr Cys Arg Cys
49             20
51 <210> SEQ ID NO: 3
52 <211> LENGTH: 21
53 <212> TYPE: PRT
54 <213> ORGANISM: human
56 <400> SEQUENCE: 3
57   Cys Ser Cys Lys Asn Thr Asp Ser Arg Cys Lys Ala Arg Gln Leu Glu
58     1             5             10             15
59   Leu Asn Glu Arg Thr
60             20
63 <210> SEQ ID NO: 4

```

RAW SEQUENCE LISTING

DATE: 09/19/2001

PATENT APPLICATION: US/09/579,420

TIME: 09:08:14

Input Set : A:\PTO.MH.txt

Output Set: N:\CRF3\09192001\I579420.raw

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64 <211> LENGTH: 26
65 <212> TYPE: DNA
66 <213> ORGANISM: human
68 <400> SEQUENCE: 4
69  cgggatcccc cctgtgggcc ttgctc                26
71 <210> SEQ ID NO: 5
72 <211> LENGTH: 24
73 <212> TYPE: DNA
74 <213> ORGANISM: human
76 <400> SEQUENCE: 5
77  ggaattctta ccgctcggct tgtc                24
79 <210> SEQ ID NO: 6
80 <211> LENGTH: 25
81 <212> TYPE: DNA
82 <213> ORGANISM: human
84 <400> SEQUENCE: 6
85  cgggatcccc ctgtgggcct tgtc                25
87 <210> SEQ ID NO: 7
88 <211> LENGTH: 27
89 <212> TYPE: DNA
90 <213> ORGANISM: human
92 <400> SEQUENCE: 7
93  ggaattctta acatctgcaa gtacgtt            27
95 <210> SEQ ID NO: 8
96 <211> LENGTH: 26
97 <212> TYPE: DNA
98 <213> ORGANISM: human
100 <400> SEQUENCE: 8
101 cgggatccca ttgtttgtta caagat            26
103 <210> SEQ ID NO: 9
104 <211> LENGTH: 27
105 <212> TYPE: DNA
106 <213> ORGANISM: human
108 <400> SEQUENCE: 9
109 ggaattctta acatctgcaa gtacgtt            27
111 <210> SEQ ID NO: 10
112 <211> LENGTH: 27
113 <212> TYPE: DNA
114 <213> ORGANISM: human
116 <400> SEQUENCE: 10
117 cgggatcctg ttcttgcaaa aacacag            27
119 <210> SEQ ID NO: 11
120 <211> LENGTH: 27
121 <212> TYPE: DNA
122 <213> ORGANISM: human
124 <400> SEQUENCE: 11
125 ggaattctta acatctgcaa gtacgtt            27
127 <210> SEQ ID NO: 12
128 <211> LENGTH: 21

```

RAW SEQUENCE LISTING

DATE: 09/19/2001

PATENT APPLICATION: US/09/579,420

TIME: 09:08:14

Input Set : A:\PTO.MH.txt

Output Set: N:\CRF3\09192001\I579420.raw

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129 <212> TYPE: DNA
130 <213> ORGANISM: human
132 <400> SEQUENCE: 12
133   cgggatacctg caaaaacaca g                21
135 <210> SEQ ID NO: 13
136 <211> LENGTH: 27
137 <212> TYPE: DNA
138 <213> ORGANISM: human
140 <400> SEQUENCE: 13
141   ggaattctta acatctgcaa gtacggt                27
143 <210> SEQ ID NO: 14
144 <211> LENGTH: 27
145 <212> TYPE: DNA
146 <213> ORGANISM: human
148 <400> SEQUENCE: 14
149   ggaattctta acatctgcaa gtacggt                27
151 <210> SEQ ID NO: 15
152 <211> LENGTH: 25
153 <212> TYPE: DNA
154 <213> ORGANISM: human
156 <400> SEQUENCE: 15
157   cgggataccc ctgtgggcct tgctc                25
159 <210> SEQ ID NO: 16
160 <211> LENGTH: 24
161 <212> TYPE: DNA
162 <213> ORGANISM: human
164 <400> SEQUENCE: 16
165   ggaattctag tctgtgtttt tgca                24
168 <210> SEQ ID NO: 17
169 <211> LENGTH: 131
170 <212> TYPE: DNA
171 <213> ORGANISM: human
173 <400> SEQUENCE: 17
174   ccctgtgggc cttgctcaga gcggagaaag catttgtttg tacaagatcc gcagacgtgt 60
175   aaatgttcct gcaaaaacac agactcgcgt tgcaaggcga ggcagcttga gttaaacgaa120
176   cgtacttgca g                                131
178 <210> SEQ ID NO: 18
179 <211> LENGTH: 22
180 <212> TYPE: DNA
181 <213> ORGANISM: human
183 <400> SEQUENCE: 18
184   atgtgacaag ccgaggcggt ga                22

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VERIFICATION SUMMARY

DATE: 09/19/2001

PATENT APPLICATION: US/09/579,420

TIME: 09:08:15

Input Set : A:\PTO.MH.txt

Output Set: N:\CRF3\09192001\I579420.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application No

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date

OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/579,420

DATE: 08/27/2001

TIME: 15:03:15

Input Set : A:\ES.txt

Output Set: N:\CRF3\08272001\I579420.raw

3 <110> APPLICANT: Shay SOKER
 4 Michael KLAGSBRUN
 6 <120> TITLE OF INVENTION: PEPTIDE ANTAGONISTS OF VASCULAR
 7 ENDOTHELIAL GROWTH FACTOR
 9 <130> FILE REFERENCE: 47875 C
 C--> 11 <140> CURRENT APPLICATION NUMBER: US/09/579,420
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 20 <150> PRIOR APPLICATION NUMBER: 60/069,155
 21 <151> PRIOR FILING DATE: 1997-12-09
 23 <160> NUMBER OF SEQ ID NOS: 18
 25 <170> SOFTWARE: FastSEQ for Windows Version 3.0
 27 <210> SEQ ID NO: 1
 28 <211> LENGTH: 45
 29 <212> TYPE: PRT
 30 <213> ORGANISM: human
 32 <400> SEQUENCE: 1
 33 Pro Cys Gly Pro Cys Ser Glu Arg Arg Lys His Leu Phe Val Gln Asp
 34 1 5 10 15
 35 Pro Gln Thr Cys Lys Cys Ser Cys Lys Asn Thr Asp Ser Arg Cys Lys
 36 20 25 30
 37 Ala Arg Gln Leu Glu Leu Asn Glu Arg Thr Cys Arg Cys
 38 35 40 45
 40 <210> SEQ ID NO: 2
 41 <211> LENGTH: 24
 42 <212> TYPE: PRT
 43 <213> ORGANISM: human
 45 <400> SEQUENCE: 2
 46 Cys Ser Cys Lys Asn Thr Asp Ser Arg Cys Lys Ala Arg Gln Leu Glu
 47 1 5 10 15
 48 Leu Asn Glu Arg Thr Cys Arg Cys
 49 20
 51 <210> SEQ ID NO: 3
 52 <211> LENGTH: 21
 53 <212> TYPE: PRT
 54 <213> ORGANISM: human
 56 <400> SEQUENCE: 3
 57 Cys Ser Cys Lys Asn Thr Asp Ser Arg Cys Lys Ala Arg Gln Leu Glu
 58 1 5 10 15
 59 Leu Asn Glu Arg Thr
 60 20
 63 <210> SEQ ID NO: 4

Does Not Comply
 Corrected Diskette Needed

Ask Anne Marie

RAW SEQUENCE LISTING

DATE: 08/27/2001

PATENT APPLICATION: US/09/579,420

TIME: 15:03:15

Input Set : A:\ES.txt

Output Set: N:\CRF3\08272001\I579420.raw

```

64 <211> LENGTH: 26
65 <212> TYPE: DNA
66 <213> ORGANISM: human
68 <400> SEQUENCE: 4
69 cgggatcccc cctgtgggcc ttgctc 26
71 <210> SEQ ID NO: 5
72 <211> LENGTH: 24
73 <212> TYPE: DNA
74 <213> ORGANISM: human
76 <400> SEQUENCE: 5
77 ggaattctta ccgctcggct tgtc 24
79 <210> SEQ ID NO: 6
80 <211> LENGTH: 25
81 <212> TYPE: DNA
82 <213> ORGANISM: human
84 <400> SEQUENCE: 6
85 cgggatcccc ctgtgggcct tgtc 25
87 <210> SEQ ID NO: 7
88 <211> LENGTH: 27
89 <212> TYPE: DNA
90 <213> ORGANISM: human
92 <400> SEQUENCE: 7
93 ggaattctta acatctgcaa gtacgtt 27
95 <210> SEQ ID NO: 8
96 <211> LENGTH: 26
97 <212> TYPE: DNA
98 <213> ORGANISM: human
100 <400> SEQUENCE: 8
101 cgggatccca ttgtttgta caagat 26
103 <210> SEQ ID NO: 9
104 <211> LENGTH: 27
105 <212> TYPE: DNA
106 <213> ORGANISM: human
108 <400> SEQUENCE: 9
109 ggaattctta acatctgcaa gtacgtt 27
111 <210> SEQ ID NO: 10
112 <211> LENGTH: 27
113 <212> TYPE: DNA
114 <213> ORGANISM: human
116 <400> SEQUENCE: 10
117 cgggatactg ttcttgcaaa aacacag 27
119 <210> SEQ ID NO: 11
120 <211> LENGTH: 27
121 <212> TYPE: DNA
122 <213> ORGANISM: human
124 <400> SEQUENCE: 11
125 ggaattctta acatctgcaa gtacgtt 27
127 <210> SEQ ID NO: 12
128 <211> LENGTH: 21

```

RAW SEQUENCE LISTING

DATE: 08/27/2001

PATENT APPLICATION: US/09/579,420

TIME: 15:03:15

Input Set : A:\ES.txt

Output Set: N:\CRF3\08272001\I579420.raw

```

129 <212> TYPE: DNA
130 <213> ORGANISM: human
132 <400> SEQUENCE: 12
133   cgggatcctg caaaaacaca g                               21
135 <210> SEQ ID NO: 13
136 <211> LENGTH: 27
137 <212> TYPE: DNA
138 <213> ORGANISM: human
140 <400> SEQUENCE: 13
141   ggaattctta acatctgcaa gtacgtt                         27
143 <210> SEQ ID NO: 14
144 <211> LENGTH: 27
145 <212> TYPE: DNA
146 <213> ORGANISM: human
148 <400> SEQUENCE: 14
149   ggaattctta acatctgcaa gtacgtt                         27
151 <210> SEQ ID NO: 15
152 <211> LENGTH: 25
153 <212> TYPE: DNA
154 <213> ORGANISM: human
156 <400> SEQUENCE: 15
157   cgggatcccc ctgtgggcct tgctc                           25
159 <210> SEQ ID NO: 16
160 <211> LENGTH: 24
161 <212> TYPE: DNA
162 <213> ORGANISM: human
164 <400> SEQUENCE: 16
165   ggaattctag tctgtgtttt tgca                             24
168 <210> SEQ ID NO: 17
169 <211> LENGTH: 131
170 <212> TYPE: DNA
171 <213> ORGANISM: human
173 <400> SEQUENCE: 17
174   ccctgtgggc cttgctcaga gcggagaaag catttgtttg tacaagatcc gcagacgtgt 60
175   aaatgttcct gcaaaaacac agactcgcgt tgcaaggcga ggcagcttga gttaaacgaa120
176   cgtacttgca g                                           131
178 <210> SEQ ID NO: 18
179 <211> LENGTH: 22
180 <212> TYPE: DNA
181 <213> ORGANISM: human
183 <400> SEQUENCE: 18
184   atgtgacaag ccgagggcgg ga                               22
W--> 189 (Footnote continued from previous page)
W--> 190 (Footnote continued on next page)

```

Erroneous text

VERIFICATION SUMMARY

DATE: 08/27/2001

PATENT APPLICATION: US/09/579,420

TIME: 15:03:16

Input Set : A:\ES.txt

Output Set: N:\CRF3\08272001\I579420.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application No
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:189 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:5
L:190 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:18
L:190 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:5

STATISTICS SUMMARY

PATENT APPLICATION: US/09/579,420

DATE: 08/27/2001

TIME: 15:03:16

Input Set : A:\ES.txt

Output Set: N:\CRF3\08272001\I579420.raw

Application Serial Number: US/09/579,420

Alpha or Numeric: Numeric

Application Class:

Application File Date: 05-25-2000

Art Unit: OIPE

Software Application: FastSeq

Total Number of Sequences: 18

Total Nucleotides: 486

Total Amino Acids: 90

Number of Errors: 0

Number of Warnings: 3

Number of Corrections: 2

MESSAGE SUMMARY

270 C: 1 (Current Application Number differs)

271 C: 1 (Current Filing Date differs)

334 W: 2 ((2) Invalid Amino Acid in Coding Region)

336 W: 1 (Invalid Amino Acid Number in Coding Region)